

Amendments to the Claims

Please cancel claim 3 without prejudice.

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A coupling member for converting a two-post equipment rack, comprising:

    a vertical support member having a first lateral end, a second lateral end, a first longitudinal end, and a second longitudinal end;

    an equipment attachment ~~flange means for attaching equipment~~ coupled to the first lateral end, ~~said wherein the equipment attachment flange defines means adapted to define~~ a vertical supporting point for a load, ~~said and wherein the equipment attachment flange is further operable means being further adapted to secure to a the load to the equipment attachment flange; and~~ means for securing the coupling member to the two-post equipment rack.

2. (Currently Amended) The coupling member of claim 1, wherein said supporting point emulates a vertical upright in a four-post equipment rack having a hole pattern that complies with EIA-310, revision D, ~~standards.~~

Claim 3 (cancelled)

4. (Currently Amended) The coupling member of claim 1, wherein said load comprises a sliding assembly adapted to secure an additional load thereto, the sliding assembly attached to the equipment attachment ~~flange means~~ and providing slidable support for the additional load with respect to the vertical support member.

5. (Original) The coupling member of claim 1, wherein said load comprises a cable management arm.
6. (Original) The coupling member of claim 1, wherein said load comprises electronic equipment.
7. (Original) The coupling member of claim 1, further comprising:  
a first torsion member coupled to said vertical support member at said first longitudinal end.
8. (Original) The coupling member of claim 7, further comprising:  
a second torsion member coupled to said vertical support member at said second longitudinal end.
9. (Original) The coupling member of claim 1, wherein said means for securing the coupling member to the two-post rack comprises a rack attachment flange coupled to the second lateral end of the vertical support member.
10. (Original) The coupling member of claim 1, wherein the coupling member is adapted to be mounted adjacent to other coupling members and to be supported by adjacent coupling members.
11. (Original) The coupling member of claim 1, further comprising:  
at least one coupling feature.
12. (Currently Amended) The coupling member of claim 11, further comprising:  
a first torsion member coupled to said vertical support member at said first longitudinal end; and  
a second torsion member coupled to said vertical support member at said second longitudinal end;

wherein ~~said~~ at least one of the coupling feature features is attached to said first torsion member and on said second torsion member.

13. (Withdrawn) The coupling member of claim 11, wherein said at least one coupling feature is located on said vertical support member.

14. (Withdrawn) The coupling member of claim 11, wherein said at least one coupling feature is located on said equipment attachment means.

15. (Currently Amended) The coupling member of claim 11, wherein ~~said~~ at least one of the coupling feature features is adapted to secure to other coupling members adjacent thereto.

16. (Original) The coupling member of claim 9, wherein said rack attachment flange is adapted to provide a load transfer path from said vertical support member to the two-post equipment rack.

17. (Original) The coupling member of claim 9, wherein said rack-attachment flange is in a pre-loading configuration.

18. (Original) The coupling member of claim 17, wherein the pre-loading configuration is provided by said rack attachment flange being secured to said vertical support member at an acute angle.

19. (Withdrawn) The coupling member of claim 8, further including an outwardly extending portion on said first and second torsion members, said outwardly extending portion extending beyond said rack attachment flange.

20. (Previously Presented) The coupling member of claim 7, further including an outwardly extending portion on said first torsion member, wherein said first torsion member further

includes a lower flange end on said outwardly extending portion adapted to provide a pivot point for load support.

21. (Previously Presented) The coupling member of claim 8, further including an outwardly extending portion on said second torsion member, wherein said second torsion member further includes a lower flange end on said outwardly extending portion adapted to provide a pivot point for load support.

22. (Previously Presented) The coupling member of claim 8, wherein said first and second torsion members have terminating portions formed at an obtuse angle relative to said vertical support member.

23. (Original) The coupling member of claim 7, wherein said first torsion member is substantially perpendicularly coupled to said vertical support member at the first longitudinal end.

24. (Original) The coupling member of claim 8, wherein said second torsion member is substantially perpendicularly coupled to said vertical support member at the second longitudinal end.

25. (Previously Presented) The coupling member of claim 1, wherein the coupling member is formed in increments of one modular unit ("U") in height.

26. (Original) The coupling member of claim 1, wherein said vertical support member is provided with one or more openings thereon.

27. (Original) The coupling member of claim 26, wherein said openings are adapted to provide ventilation.

28. (Original) The coupling member of claim 26, wherein said openings provide tie-points for securement of cables thereto.

29. (Currently Amended) The coupling member of claim 7, wherein said first torsion member terminates at a point prior to said equipment attachment ~~flange~~means, forming a gap.

30. (Currently Amended) The coupling member of claim 8, wherein said second torsion member terminates at a point prior to said equipment attachment ~~means~~ flange, forming a gap therein.

31. (Currently Amended) A two-post rack system, comprising:

a first vertical post ~~having~~ including a first side and a second side;

a second vertical post ~~having~~ including a first side and a second side, said wherein the second vertical post being is coupled to said the first post via a base;

a first coupling member, the first coupling member coupled at a lateral end to the first post[[.]] and independently extending substantially horizontally outward from [[.]] ~~said the first post, said and wherein the first coupling member~~ replicating replicates at least one post in a four-post equipment rack; and

a second coupling member, the second coupling member coupled at a lateral end to the second post [[.]] and independently extending substantially horizontally outward from [[.]] ~~said the second post, said and wherein the second coupling member~~ replicating replicates at least one post in the four-post equipment rack.

32. (Currently Amended) The two-post rack system of claim 31, further comprising:

a third coupling member coupled to the first post and independently extending substantially horizontally outward from ~~said the first post; and~~

a fourth coupling member coupled to the second post and independently extending substantially horizontally outward from ~~said the second post,~~

~~wherein said first, second, third and fourth coupling members~~ the first coupling member, the second coupling member, the third coupling member, and the fourth coupling member each substantially replicating replicate a different vertical upright in a four-post equipment rack.

33. (Previously Presented) The two-post equipment rack system of claim 32, wherein said first coupling member comprises:

a vertical support member having a first lateral end, a second lateral end, a first longitudinal end, and a second longitudinal end;

an equipment attachment flange coupled to the first lateral end, said equipment attachment flange being adapted to emulate a vertical upright in a four-post equipment rack, said equipment attachment flange being further adapted to secure to a load; and

a rack attachment flange coupled to the second lateral end of said vertical support member.

34. (Previously Presented) The two-post rack system of claim 33, wherein said first coupling member further comprises:

a first torsion member coupled to said vertical support member at the first longitudinal end; and

a second torsion member coupled to said vertical support member at the second longitudinal end.

35. (Previously Presented) The two-post equipment rack system of claim 34, wherein said first coupling member further comprises at least one coupling feature on said first torsion member and on said second torsion member.

36. (Previously Presented) The two-post equipment rack system of claim 34, wherein said first coupling member is adapted to be supported by adjacent vertical coupling members.

37. (Previously Presented) The two-post equipment rack system of claim 35, wherein the coupling feature is adapted to secure to coupling members adjacent thereto.

38. (Currently Amended) The two-post equipment rack system of claim 33, further comprising said rack attachment flange ~~being adapted~~ operable to provide a load transfer path from said vertical support member to the two-post equipment rack.

39. (Previously Presented) The two-post equipment rack system of claim 33, further comprising said rack-attachment flange being in a pre-loading configuration.

40. (Previously Presented) The two-post equipment rack system of claim 39, wherein said pre-loading configuration comprises said rack attachment flange being secured to said vertical support member at an acute angle.

41. (Withdrawn) The modified two-post equipment rack of claim 34, further comprising:  
said first torsion member and said second torsion member extending beyond said rack attachment flange.
42. (Previously Presented) The two-post equipment rack system of claim 34, further comprising said first torsion member having a lower flange end adapted to provide a pivot point for load support.
43. (Previously Presented) The two-post equipment rack system of claim 34, further comprising said second torsion member having a lower flange end adapted to provide a pivot point for load support.
44. (Previously Presented) The two-post equipment rack system of claim 34, further comprising said first torsion member substantially perpendicularly coupled to said vertical support member at said first longitudinal end.
45. (Previously Presented) The two-post equipment rack system of claim 34, further comprising said second torsion member substantially perpendicularly coupled to said vertical support member at said second longitudinal end.



46. (Currently Amended) A method for converting a two-post equipment rack to support equipment configured to couple to four-post ~~loads~~ equipment racks, comprising:

coupling independent four-post replicating mounting points on the two-post equipment rack, wherein said mounting points comprise two or more independent coupling members, said four-post replicating mounting points ~~being adapted~~ operable to support the equipment configured to couple to four-post ~~loads~~ equipment racks and each coupling member ~~adapted~~ operable to vertically support the equipment configured to couple to four-post ~~loads~~ equipment racks at a first lateral end and to attach to only one respective post at a second lateral end.

47. (Canceled)

48. (Original) The method of claim 46, wherein said four-post replicating mounting points comprise four coupling members.

49. (Original) The method of claim 46, wherein one of said four-post replicating mounting points comprise:

a vertical support member having a first lateral end, a second lateral end, a first longitudinal end, and a second longitudinal end;

an equipment attachment flange coupled to the first lateral end, said equipment attachment flange being adapted to emulate a vertical upright in a four-post equipment rack, said equipment attachment flange being farther adapted to secure to a load; and

a rack attachment flange coupled to the second lateral end of said vertical support member.

50. (Original) The method of claim 49, wherein one of said four-post replicating mounting points further comprise:

a first torsion member coupled to said vertical support member at the first longitudinal end; and

a second torsion member coupled to said vertical support member at the second longitudinal end.

51. (Currently Amended) A method for adapting a two-post equipment rack to support equipment configured to couple to four-post loads equipment racks, comprising:

coupling a first coupling member to a first post;

coupling a second coupling member to a second post, wherein said first coupling member and said second coupling member emulate two of the four posts in a four-post rack with each emulated post defining a vertical supporting point for a load; and

wherein the two-post equipment rack provides the remaining two posts in the four-post rack.

52. (Currently Amended) A method for adapting a two-post equipment rack to support equipment configured to couple to four-post ~~loads~~ equipment racks, comprising:

coupling a first coupling member to a first post;

coupling a second coupling member to a second post;

coupling a third coupling member to said first post substantially planar to and substantially parallel to said first coupling member;

coupling a fourth coupling member to said second post substantially planar to and substantially parallel to said second coupling member; and

wherein each of the coupling members emulate one respective post in a four-post rack, with each emulated post defining a supporting point for a load.

53. (Original) The method of claim 52, where said first coupling member comprises:

a vertical support member having a first lateral end, a second lateral end, a first longitudinal end, and a second longitudinal end;

an equipment attachment flange coupled to the first lateral end, said equipment attachment flange being adapted to emulate a vertical upright in a four-post equipment rack, said equipment attachment flange being further adapted to secure to a load; and

a rack attachment flange coupled to the second lateral end of said vertical support member.

54. (Original) The method of claim 53, wherein said first coupling member further comprises:

a first torsion member coupled to said vertical support member at the first longitudinal end; and

a second torsion member coupled to said vertical support member at the second longitudinal end.

55. (Original) The method of claim 51, further comprising securing a load to the vertical support member of said first and said second coupling member.

56. (Original) The method of claim 52, further comprising securing a load to the vertical support member of said first, said second, said third and said fourth coupling member.
57. (Original) The method of claim 53, wherein said load comprises a slide assembly.
58. (Original) The method of claim 52, further comprising:  
securing a fifth coupling member to said first post; and  
securing a sixth coupling member to said second post.
59. (Original) The method of claim 58, further comprising:  
coupling said first coupling member to said fifth coupling member.

60. (Withdrawn) A method of converting a portion of a rack to emulate a commercially-available four-post rack, comprising: providing a plurality of coupling members thereon; adjusting the forward depth of the two-post rack; adjusting a mounting feature on at least one of the plurality of coupling members.

61. (Withdrawn) The method of claim 60, wherein the converted rack is a two-post rack.

62. (Withdrawn) The method of claim 60, wherein said providing a plurality includes placement of said plurality of coupling members depending on the load configuration.

63. (Withdrawn) The method of claim 60, further comprising: adjusting the aft depth of the two-post rack.

64. (Withdrawn) The method of claim 60, further comprising: attaching a load to at least one of the plurality of coupling members.

65. (Withdrawn) The method of claim 64, further comprising: substantially centering the load about the two-post rack.

66. (Withdrawn) The method of claim 60, further comprising: forming an opening in the two-post rack in accordance with a standard defined by EIA-310.

67. (Currently Amended) An equipment support device for two-post rack systems, comprising:

rack attachment means for attaching said equipment support device to two-post rack systems;

an equipment attachment ~~means~~ flange for attaching equipment coupled to said rack attachment means; and

a coupling feature for connecting the support device to adjacent equipment support devices.

68. (Previously Presented) A method for racking a device having a four-post rack-mounting configuration to a two-post rack system, said method comprising:

installing a two-post to four-post adapter on the two-post rack system, the two-post to four-post adapter operable to support a device having a four-post rack-mounting configuration, the four-post rack-mounting configuration being a configuration for mounting a device on a four-post rack, wherein the device is supported solely by the posts in the four-post rack; and

mounting the device to the two-post to four-post adapter.

69. (Original) The method according to claim 68, wherein said installing includes coupling the two-post to four-post adapter to the two-post rack system.

70. (Original) The method according to claim 69, wherein the coupling includes bolting the two-post to four-post adapter to the two-post rack system.

71. (Original) The method according to claim 68, wherein the two-post to four-post adapter includes at least two coupling members.

72. (Previously Presented) A system for racking a device having a four-post rack-mounting configuration to a two-post rack system, said system comprising:

means for installing a two-post to four-post adapter on the two-post rack system, the two-post to four-post adapter operable to support a device having a four-post rack-mounting configuration, the four-post rack-mounting configuration being a configuration for mounting a device on a four-post rack, wherein the device is supported solely by the posts in the four-post rack; and

means for mounting the device to the two-post to four-post adapter.



73. (Withdrawn) A method for enabling rack mounting of a device having a four-post rack-mounting configuration to a two-post rack system, said method comprising: providing a two-post to four-post adapter on the two-post rack system, the two-post to four-post adapter operable to support the device having a four-post rack-mounting configuration.

74. (Withdrawn) The method according to claim 73, wherein the two-post to four-post adapter includes at least two coupling members.

75. (Withdrawn) The method according to claim 73, further comprising: measuring hardware providing for the configuration of the device having the four-post rack-mounting configuration; and specifying dimensions for the two-post to four-post adapter based on said measuring.

76. (Withdrawn) The method according to claim 73, wherein said providing includes at least one of the following: selling, distributing, including, offering for sale, advertising, and marketing.

77. (Withdrawn) The method according to claim 73, wherein the two-post to four-post adapter is provided with the device.

78. (Withdrawn) The method according to claim 73, wherein the two-post to four-post adapter is provided with the two-post rack system.

79. (Withdrawn) The method according to claim 77, wherein the device is a computer server.